

19990806.qrp v01_n540.qrl.990806

Date: Fri, 6 Aug 1999 19:03:09 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1540

QRP-L Digest 1540

Topics covered in this issue include:

- 1) [46886] O.T. - Net Dummy Humour
by "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>
- 2) [46887] Ron, N8VAR
by Shepherd@aol.com
- 3) [46888] Re: Results of the August Spartan Sprint
by k5zty@juno.com
- 4) [46889] Re: Paddles and CW Test
by "Paul Christensen" <paulc@mediaone.net>
- 5) [46890] Austin Summerfest, more prizes!
by "rohre" <rohre@arlut.utexas.edu>
- 6) [46891] Cheap & Dirty Battery Chg'r
by David Gauding <david.gauding@bbs.galilei.com>
- 7) [46892] new antenna & DX
by Mike Mullins <mmullins@mastnet.net>
- 8) [46893] Underdogs fox team
by Roy <marion@montana.com>
- 9) [46894] Re: [Elecraft] K2 Serial Number List
by Rick Sealey <rsealey@InfoAve.Net>
- 10) [46895] Re: Helical/Slinky Antenna Info?
by "Karl B. Staddon" <ve6kbs@agt.net>
- 11) [46896] NC20 power connector
by "Kory Hamzeh" <kory@avatar.com>
- 12) [46897] 114,760 miles/watt
by Ed Kessler <edkess@epix.net>
- 13) [46898] Re: [Elecraft] K2 Serial Number List
by "George T. Baker" <w5yr@swbell.net>
- 14) [46899] RE: [Elecraft] K2 Serial Number List
by "Ed Tanton" <n4xy@att.net>
- 15) [46900] MFJ Artificial Ground
by aweiss@usd.edu (Ade Weiss W0RSP)
- 16) [46901] GM30XX @ 1 Watt!!
by WA8GHZ <jdougher@wt.net>
- 17) [46902] OT: Mercury hole solved
by "Chuck Adams K7Q0" <adams@ticnet.com>
- 18) [46903] Re: Where's QRP-L??
by "Charles Hamel" <cdhamel@pdq.net>
- 19) [46904] NC-20 Completed!

- by "wayne reed" <wlreed@viaduct.custom.net>
- 20) [46905] Re: NC-20 Completed!
by "Dave Fifield" <fifield@pacbell.net>
- 21) [46906] SV: NC-20 Completed!
by "Hans Sundstrom" <hans.sundstrom@telia.com>
- 22) [46907] Re: Mercury hole solved
by "Bill Legge, NT1R" <wlegge1@maine.rr.com>
- 23) [46908] Re: 10m contest results
by Zack Lau <zlau@arrl.org>
- 24) [46909] BNC Connector
by John R Kirby <n3aaz-qrp@juno.com>
- 25) [46910] Elton Milani!
by "Kleibe Jacinto de Araujo" <kleibe@dgo.mc.gov.br>
- 26) [46911] Re: INFO: National Park Sprint/Contest
by "Rod Cerkoney" <rwc@frii.com>
- 27) [46912] OT: CMOS II Keyer
by "Chuck Adams K7Q0" <adams@ticnet.com>
- 28) [46913] SST howling problem
by "Ed Lawson" <elawson@lr.net>
- 29) [46914] QRP Contesting: This Weekend
by Ken Newman <N2CQ@citnet.com>
- 30) [46915] Re: QRP Contesting: This Weekend
by Monte Stark <ku7y@dri.edu>
- 31) [46916] David Adams
by "Hartwell, Martin E (Marty)" <mhartwell@lucent.com>
- 32) [46917] SWORDS Fox Hunt Team 99
by Shepherd@aol.com
- 33) [46918] Michigan Challenge reminder!
by "Pete Meier" <pete.meier@lmsna.com>
- 34) [46919] Overmodulated PSK-31 on 7.040
by "Steven Weber" <kd1jv@moose.ncia.net>
- 35) [46920] 40 mtr Fox Hun Teams
by Bruce Rattray <rattray@gpfn.sk.ca>
- 36) [46921] hear spark gap tx, cool website QRP
by "Armin Hachmer" <armin@muskoka.com>
- 37) [46922] Continuing saga of AOL and 20 meters late night/early morning.
by Macstein@aol.com
- 38) [46923] RE: Overmodulated PSK-31 on 7.040
by "Alex Mendelsohn" <ai2q@ispchannel.com>
- 39) [46924] Batteries & power?
by GE1am30092@aol.com
- 40) [46925] For Trade: MFJ 752 Keyboard Keyer
by "Tim Cook" <timcook@erinet.com>
- 41) [46926] Re: Overmodulated PSK-31 on 7.040
by "George T. Baker" <w5yr@swbell.net>
- 42) [46927] 40 mtr Fox Hunt Teams (fwd)
by Bruce Rattray <rattray@gpfn.sk.ca>
- 43) [46928] URGENT REQUEST: PACEMAKERS & HAM RADIO

by Jim Dolson <jdolson@iserv.net>
44) [46929] Re: URGENT REQUEST: PACEMAKERS & HAM RADIO
by Bill Jones <kd7s@psnw.com>
45) [46930] new Sprint (fwd)
by Bruce Rattray <rattray@gpfn.sk.ca>
46) [46931] Re: hear spark gap tx, cool website QRP
by "Ed Hare, W1RFI" <w1rfi@arrl.net>
47) [46932] Re: Overmodulated PSK-31 on 7.040
by "Ed Hare, W1RFI" <w1rfi@arrl.net>
48) [46933] Re: Overmodulated PSK-31 on 7.040
by HammanAl@aol.com
49) [46934]
by Dave Pomeroy <dave_pomeroy@yahoo.com>
50) [46935] Re: URGENT REQUEST: PACEMAKERS & HAM RADIO
by "Ed Hare, W1RFI" <w1rfi@arrl.net>
51) [46936] Now Showing: August's edition of The ARS Sojourner
by Richard Fisher <ki6sn@yahoo.com>
52) [46937] RE: BNC Connectors
by "Ed Tanton" <n4xy@att.net>
53) [46938] RE: BNC Connectors
by "Richard Hensel" <rrhensel@sprintmail.com>
54) [46939] Barter - experienced time for new ZM-2 Kits (or other stuff)
by Scott Gregson - KC7MAS <emtech@steadynet.com>
55) [46940] RE: BNC Connectors
by Monte Stark <ku7y@dri.edu>
56) [46941] qrp enclosures
by klh@nsgqs.cb.lucent.com
57) [46942] RE: BNC Connectors
by Ed Loranger <we6w@qsl.net>
58) [46943] RE: BNC Connectors....Why not "TNC"
by Dave Barrett <DBarrett@creo.com>
59) [46944] Re:
by Jeff Grudin <grudin@pacific.vdbs.com>
60) [46945] New (old) Antenna Book
by "Ed Tanton" <n4xy@att.net>
61) [46946] ZM-2 calibration experiments?
by Ed Loranger <we6w@qsl.net>
62) [46947] cw procedures..
by sergio <sruiz@bright.net>
63) [46948] Re: NC-20 Completed!
by Jay Bromley <w5jay@alltel.net>
64) [46949] Re: new antenna & DX
by "Edward A Kwik jr" <eakwikjr@hti.com>
65) [46950] Re: Overmodulated PSK-31 on 7.040
by "Steven Weber" <kd1jv@moose.ncia.net>
66) [46951] Re: NC20 power connector
by K2UD@aol.com
67) [46952] Re: cw procedures..

by Rod Cercone <rwf@frie.com>
68) [46953] Re: Overmodulated PSK-31 on 7.040
by K2UD@aol.com
69) [46954] Re: New (old) Antenna Book
by "John Moriarity" <k6qq@hdo.net>
70) [46955] Re: [Re: [Elecraft] K2 Serial Number List]
by Roy Lincoln <wa4dou@usa.net>
71) [46956] Re: [Elecraft] K2 Serial Number List
by Rick Sealey <rsealey@InfoAve.Net>
72) [46957] Re: ZM-2 calibration experiments?
by Ed Loranger <we6w@qsl.net>
73) [46958] Re: cw procedures..
by "Nick Kennedy" <nkennedy@cswnet.com>
74) [46959] RE: cw procedures..
by "Alex Mendelsohn" <ai2q@ispchannel.com>
75) [46960] Re: [BNC Connector]
by Roy Lincoln <wa4dou@usa.net>
76) [46961] Re: cw procedures..
by Monte Stark <ku7y@dri.edu>
77) [46962] WTB: Regen RXs
by N3BJ <N3BJ@hotmail.com>
78) [46963] RE: cw procedures..
by Monte Stark <ku7y@dri.edu>
79) [46964] PARKS QRP... OH OH
by S LYON <sslyon@worldnet.att.net>
80) [46965] O.T. : Spam -has anyone noticed....
by S LYON <sslyon@worldnet.att.net>
81) [46966] Re: NC20 power connector
by "Hugo Catta" <h.catta@worldnet.att.net>

Date: Fri, 06 Aug 1999 09:19:37 +1000
From: "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [46886] O.T. - Net Dummy Humour
Message-ID: <37AA1C08.6F3286AE@integritynet.com.au>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

True Tech Support Stories ...

- A woman called the Canon help desk with a problem with her printer.
The tech asked her if she was "running it under Windows." The woman
then responded, "No, my desk is next to the door. But that is a good
point. The man sitting in the cubicle next to me is under a window,

and his is working fine."

- Tech Support: "How much free space do you have on your hard drive?"
Customer: "Well, my wife likes to get up there on that Internet, and she downloaded ten hours of free space. Is that enough?"
- - Customer: "Can you copy the Internet for me on this diskette?"

--

73's

Ian Purdie

VK2TIP "I'll give you the TIP mate"

Budgewoi N.S.W. Australia

Tel: 61 + 2 + 4399 3228 (2200 - 0800 U.T.C. please.)

QRP-L member #1978.

URL - <http://www.integritynet.com.au/~purdic/>

URL - <http://www.qsl.net/vk2tip/>

"Three out of five Web experts agree that frames are the work of the devil and represent all that is evil about the Web. The remaining two experts are agnostic and think that frames are just a stupid idea" -

Date: Thu, 5 Aug 1999 20:00:36 EDT

From: Shepherd@aol.com

To: qrp-l@lehigh.edu

Subject: [46887] Ron, N8VAR

Message-ID: <2e76cdd2.24db7fa4@aol.com>

MIME-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Sorry for the BW.

Ron, are you still on the list?

Does anyone have his new e-mail address.

Tnx es 72, 73

Dan, N8IE

Date: Thu, 5 Aug 1999 19:31:37 -0500

From: k5zty@juno.com

To: russ@natworld.com

Cc: qrp-1@Lehigh.EDU
Subject: [46888] Re: Results of the August Spartan Sprint
Message-ID: <19990805.193516.6398.2.k5zty@juno.com>

I am curious to know what kind of transceiver, key, keyer and power supply K6PZB/9 has that he made 32 Qs on 20 meters with in the Spartan Sprint that only weighs .4 lb. and what antenna did he use?
Bill, K5ZTY
Houston, TX

Get the Internet just the way you want it.
Free software, free e-mail, and free Internet access for a month!
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Thu, 5 Aug 1999 20:43:14 -0400
From: "Paul Christensen" <paulc@mediaone.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [46889] Re: Paddles and CW Test
Message-ID: <005901bedfa4\$ab9127c0\$6b588118@se.mediaone.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

> have to mess with that now. I traded for a Hensley paddle
> and I'll have details on that when I get the pics on the web
> page after Austin meet on Saturday. Stay tuned.

With the availability of the Hensley Paddle, I'm not sure why anyone would want to pay four figures for a Mercury Paddle unless you have a burning desire in owning the original design from the original maker.

After a five month wait, I received my round base, gold-plated Hensley Paddle this week. It is absolutely awesome and was well worth the wait. I will post pictures of it on my web page this weekend at:

<http://www.qsl.net/w9ac>

-Paul, W9AC

Date: 5 Aug 1999 20:22:06 -0500
From: "rohre" <rohre@arlut.utexas.edu>
To: qrp-l@lehigh.edu
Subject: [46890] Austin Summerfest, more prizes!
Message-ID: <n1278237947.35073@msmailgw1.arlut.utexas.edu>

First, a big thank you to those great guys at Embedded Research for donating two Tixies for our building demo. And to Kanga for donating a crystal for the rig that still needed it. Austin TX Summerfest QRP forum salutes you!

Chuck Adams, K7QO, is now coming on Fri. and will be bringing a prize to give away at Fri. no host dinner at 7PM plus at Lone Star Cafe, Lincoln Village, across IH 35 from Red Lion Summerfest HQ. As you know, Chuck is getting ready for his moving sale, and he promises this surprise will be well representative of what will be available later! Thus, I guess you come to Summerfest and have a chance at winning THREE transceivers!

The Summerfest QRP forum Sat. afternoon is in the Butch Cassidy room. That is off the main hotel lobby. Come down the hall from the swap meet area, and circle the restaurant until you are headed toward the gift shop. Turn right toward the elevators. There, turn left down a hall and the Cassidy room will be on your right.

We need some help removing VE tables at about 3:30 PM, so if you can come a little early, it would be a great help, to fold tables.

Please email me if you plan to make the no host Fri. dinner. I need to give the restaurant a head count tomorrow at noon.

Bring your toys to show off, and tell us about your Field Day.
Thanks and 72,
Stuart K5KVH
rohre@arlut.utexas.edu

Date: Thu, 05 Aug 1999 20:33:27 -0500
From: David Gauding <david.gauding@bbs.galilei.com>
To: qrp-l@lehigh.edu
Subject: [46891] Cheap & Dirty Battery Chg'r
Message-ID: <1.5.4.32.19990806013327.007535c8@bbs.galilei.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Gang,

For the past dozen years I have been charging gel-cells with an old motorcycle battery charger. It's a wall-wart and puts out 16.3V at 500ma.

My secret formula for the 500ma charge rate is the battery rating times two. Thus a 4 amp hour battery is charged for 8 hours. I usually run my batteries down to about 11.5V under load. At that point the old Argosy II tends to get a little squirrely.

9-10 hours is about max time for the charging period on a 4 am hour battery. After that the cells start to bubble which to me means I left the battery hooked-up just a little too long. The 1 or 2 hours allowance for accidental over-charging applies to other capacities as well.

I use hand-me-down gel-cells. These are pulls from commercial alarm systems. They have been thoughtfully provided by a St. Louis QRP Society member twice annually for well over a decade.

Quite a few of these gel-cells have lasted four more years using my cheap & dirty charging system. The average is two to three years and I use them a lot both portable and at home. Not bad at all for freebies!

At the last hamfest I came away with a wall-wart that puts out 16.5V at 450ma. That was in the .25 box under a table! If you want to do battery charging on the cheap this is one way to go! <g>

Good luck,

de Dave, NF0R nf0r@slacc.com

Date: Thu, 05 Aug 1999 20:53:33 -0500
From: Mike Mullins <mmullins@mastnet.net>
To: qrp-l@lehigh.edu
Subject: [46892] new antenna & DX
Message-ID: <3.0.5.32.19990805205333.00798400@mastnet.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

About 3 weeks ago I put up a G5RV in a tall tree in my back yard at about 45 feet. The legs kept getting tangled in lower branches, and it took

several hours. The weather was hot (95F), the mosquitoes were out in force, and I got two fire ant bites (they still itch). Finally got it up, and I realized that the wire on one leg was wrapped around the T-connector, and I had to start over. I had to attach a connector in my 125F attic when I found out I needed 110 feet of coax when I had 100 feet.

It was worth it! In my short ham career, I've had a dipole in the attic, a dipole on the roof, a 40m full wave horizontal loop, and a Windom. This one is the best. In the past two weeks on 20 meters (NC20 with a sick final at 1 watt) I've worked Japan, Bulgaria, Yugoslavia, numerous western European stations, and Columbia. I feel a little guilty about starting QSO's with them. Most of them are highly skilled ops with aluminum antennas, who have to dig out my weak signal and decipher my error-filled code. It's easy at my end. Still, it's fun, and they don't seem to mind.

The message is: put up the best antenna you can. I've read this many times on this list, but never realized how important it is. 73 de Mike KD5CMN in sunny Texas

Date: Thu, 05 Aug 1999 20:02:44 -0600
From: Roy <marion@montana.com>
To: Bruce Rattray <rattray@gpfn.sk.ca>
Cc: qrp-1@Lehigh.EDU
Subject: [46893] Underdogs fox team
Message-ID: <199908060202.UAA19658@mail.montana.com>
Mime-Version: 1.0
Content-Type: text/html; charset="us-ascii"

<html>

 Many thanks to all who responded to my call for a hound. The first to reply, Brian, kb9bvn, will fill the slot. So the

UNDERDOGS are:

Brian, KB9BVN

Dan, N4ROA

Ron, KI0II

Roy, AB7CE

</html>

Date: Thu, 05 Aug 1999 22:09:18 -0400
From: Rick Sealey <rsealey@InfoAve.Net>
To: qrp-1@lehigh.edu

Subject: [46894] Re: [Elecraft] K2 Serial Number List
Message-ID: <4.1.19990805220417.00af3610@mail.infoave.net>
MIME-version: 1.0
Content-type: text/plain; charset="us-ascii"

At 09:00 PM 08/05/1999 -0400, you wrote:

>Hi Y'all,
>
>The K2 serial number list is now 140 strong.
>109 call signs with serial numbers and 31 calls without.
>Send me your serial number and I'll send you the list.
>
>I decided to make this list semi-private for spam reasons.
>Do you think it would be ok to reference the list on this listserv?
>
>Best regards,
>
>Dieter gentzow - WB8QYY
>Loveland, Ohio
>K2# ??? waiting for kit

Just what is the compulsion to make this information public? I don't get it.

Rick - W4SEA

Date: Thu, 05 Aug 1999 20:49:39 -0600
From: "Karl B. Staddon" <ve6kbs@agt.net>
To: ve7ccy_srobbins@hotmail.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [46895] Re: Helical/Slinky Antenna Info?
Message-ID: <37AA4D43.C854291C@agt.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Scott, for about seven years I've used a helical dipole for 20m suspended from the roof of the fibreglass canopy on my 4x4 pickup. Each leg of the dipole is 1/2 wavelength (not 1/4 as is usually the case for a dipole); the wire is solid copper; the helix was made by wrapping the wire around a broom handle; the antenna is supported by running a nylon string through the centre of the helix which in turn is supported by zap strap loops at two feet intervals which I duct taped to the roof.

When I get a new truck I'm going to dispense with the zap strap/duct tape

method and use Velcro with the sticky backing.

The feedpoint is at the rear of the truck just above the hinge for the rear window; each leg runs from the feedpoint to a rear corner of the canopy roof and then forward to the corresponding front corner of the canopy.

Works well for me!

Cheers Karl B. Staddon, VE6KBS, Calgary, AB

Scott Robbins - VE7CCY wrote:

> Does anyone know where I can find design/schematic information for a
> helical/slinky antenna? I want to use one for 20m QRP inside my apt. Has
> anyone had any experience with these types of antennas?
>
> Thanks and 73,
> Scott
>
> **** Hope to hear you on the air next Saturday, August 7 for the QRP
> National Park Expedition!! For more information, see
> <http://www.geocities.com/SiliconValley/Monitor/1070/events.html>
>
> -----
> Get Your Private, Free Email at <http://www.hotmail.com>

Date: Thu, 5 Aug 1999 20:16:35 -0700
From: "Kory Hamzeh" <kory@avatar.com>
To: <qrp-1@lehigh.edu>
Subject: [46896] NC20 power connector
Message-ID: <005501bedfba\$16d93f80\$14ce21c7@tomcat.avatar.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi All,

I finally got some free time to start building my NC20 this week. I just finished Step 4 (regulators and power supply components) and it is not working. Even when I try to measure the voltage at J4, I get zero volts. My power supply is fine. The question that I have is this: is the power jack on

the NC20 different than most power jacks such as the Sierra/SST/LDG QRP tuner? I can hookup my power supply to those guys and everythis works. I remember reading something about that.

Also, on L1, is the GND the one closest to the TAP wire?

Thanks,
Kory
AC6RN

Date: Thu, 05 Aug 1999 23:30:36 -0400
From: Ed Kessler <edkess@epix.net>
To: qrp-l@Lehigh.EDU
Subject: [46897] 114,760 miles/watt
Message-ID: <37AA56DC.8895D051@epix.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hello All:

Had a nice time working some of you in this week's sprint. My best sprint yet -- 24 QSOs.

Tonight I worked YU7DX on 20m using 40mW. He had a very strong signal that was pounding my S-meter so I decided to try QRPP. After the pile-up quieted down I gave him a call. He came right back with a 559 signal report.

Anyway, about 114,760 miles/watt. My best yet. Using my QRP+, dipole, and WM-2 wattmeter.

73,
Ed, AA3SJ

Date: Thu, 05 Aug 1999 23:32:21 -0500
From: "George T. Baker" <w5yr@swbell.net>
To: rsealey@InfoAve.Net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [46898] Re: [Elecraft] K2 Serial Number List
Message-ID: <37AA6555.EC9CE4A0@swbell.net>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Braggin rights! ;^)

And justifiable pride of ownership and construction . . .

72/73, George AMA 98452 R/C since 1964

Amateur Radio W5YR, in the 53rd year and it just keeps getting better!
AutoPOWER Systems, Fairview, TX (30 mi NE Dallas) Collin County
QRP-L QRP-ARCI FISTS NORCAL ZOMBIE ARS 10-X 33.2 N 96.6 W EM13RE

Rick Sealey wrote:

> Just what is the compulsion to make this information public? I don't get it.
>

Date: Fri, 6 Aug 1999 00:45:48 -0400
From: "Ed Tanton" <n4xy@att.net>
To: <rsealey@InfoAve.Net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [46899] RE: [Elecraft] K2 Serial Number List
Message-ID: <NBBBJDEEIFDDANGEGHLBCEPCGHAA.n4xy@att.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Personally, I find knowing who else owns K2s interesting.

///snip

>Just what is the compulsion to make this information public? I don't get
it.

>

>Rick - W4SEA

///snip

72 / 73 Ed N4XY Elecraft K2 sn: 000057

Ed Tanton N4XY EMAIL: n4xy@arrl.net
189 Pioneer Trail
Marietta, GA 30068-3466 TEL: (770) 971-0436

INTERESTS: *CW (99.5%) *QRP (QRP-L# 758)

*BoatAnchors *Test Equipment *Photography

~~~~~  
"Begin at the beginning... and go on until you come  
to the end: then stop."

The White Rabbit, from "Alice In Wonderland"  
~~~~~

Date: Fri, 6 Aug 1999 00:12:57 -0500 (CDT)
From: aweiss@usd.edu (Ade Weiss W0RSP)
To: vferme@sprint.ca
Cc: qrp-1@lehigh.edu
Subject: [46900] MFJ Artificial Ground
Message-ID: <199908060512.AAA04730@sunburst.usd.edu>

Hi Vince:

Here's the info.

MFJ's artifical ground is an L-Net with r.f. current meter. Heavy duty.

It is based on the principle that r.f. voltage nodes occur at r.f. current maxima. The current maximum occurs 1/4-wave from the end of a wire. The current-sensing meter (adjustable sensitivity) on the MFJ shows when you've shifted the current maximum to the unit. The r.f. voltage is at a minimum then.

In practice, a wire that is shorter than 1/4-wave on the freq. of operation is connected to the one side of the MFJ unit, the other side connected as directly as possible to the ground of the transmitter or ATU. In general, balanced antennas like dipoles only benefit marginally if at all from the unit. That is because they are fed at the current maxima, and if a 1/2-wave feedline is used, the current maxima appears at the transmitter along with the r.f. voltage minimum. If another length of coax is used, this condition no longer obtains, and the transmitter can be at a high r.f. voltage point along the feedline. With unbalanced antennas like random wires or endfeds, the MFJ and its "ground wire" force the current maximum to appear at the ATU. This is simplified.

MFJ recommends using the shorter-than 1/4-wave ground wire to make the system adjustable. I see no reason why a substantially longer wire wouldn't work (longer than a 1/2-wave).

Two methods of installation:

1) the single wire unattached at the far end

2) the single wire attached to the waterpipes at the other end.

Tuning: with an ATU feeding the antenna, several back-n-forth readjustments are necessary to get the maximum current indication and best antenna match combination.

Will it work for you? I think that depends on whether you are using a balanced antenna vs. an endfed. Definitely if an endfed, maybe if a dipole or other balanced antenna. In my motel operations, I used to run a groundwire to the cold water pipe. That eliminated the usual detuning effects such as touching the chassis of the rig and noticing that the SWR shifted. More recently, I've taken to simply running a short wire from the ATU ground post to the screw which holds the plastic cover plate on a 3-prong a.c. outlet. The ATU acts like it is operating against a real ground. You might try this.

I guess one relevant question is: do you have a problem? Does your system detune when you touch the chassis or ground point on the pcb? If your ATU and rig ignore any messing like this, you probably don't need the artificial ground.

72, Ade

Date: Fri, 06 Aug 1999 00:37:50 -0500
From: WA8GHZ <jdougher@wt.net>
To: ham_QRP-l <qrp-l@lehigh.edu>, "nars@makelist.com" <nars@makelist.com>
Subject: [46901] GM30XX @ 1 Watt!!
Message-ID: <37AA74AE.95D4A5B6@wt.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

One of the better and just had to post - GM30XX/ George and his 1 Watt found their way down here to Houston this morning on 20 Meters at 0722Z. Me at a "rotund" 5 Watts.
WA8GHZ /5 /Jack /Houston

Date: Fri, 6 Aug 1999 00:56:45 -0500
From: "Chuck Adams K7Q0" <adams@ticnet.com>
To: qrp-l@lehigh.edu

Subject: [46902] OT: Mercury hole solved
Message-ID: <E11Cbq6-0000rW-00@pop3.ticnet.com>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

Gang,

Here is part of an email that I received from a member of the group that explains why the hole in the Mercury. I have edited some serial numbers to protect XXX... and I have left out his email address to cut down on his email level. :-)

If he gives me permission I'll post and give him credit. I just wanted to do this while I had the edit capability with his original email and not have to mess with files, editing, learning new stuff, ... I am not taking credit for this info, just relaying it to the many that own a Mercury paddle. Well OK, the 300+ owners. There was a separate numbering scheme for the FOC crowd and the YLs also had an additional numbering scheme that I remember a few telling me about.

This group knows everything. :-) Anyone here work at this company mentioned? Bought the accessory? This is another part of ham history that is buried deep in the dark regions of human minds and not thought of for some time or even known by many.

FYI

> Chuck -

>

> The small hole with a plastic plug is for an add-on that (I think) Lance
> Johnson Engineering made for the Mercury. There is a chrome add-on with 4
> small push button switches to use as controls for the (again I think) Kansas
> City keyer. It will also work equally well with the Super CMOS series of
> keyers that use 4 switches. I have one of the gizmos somewhere in a box
> either in the shack or in storage that I purchased shortly after buying the
> Mercury (S/N XXX Manufactured 3/93). I'm not sure which S/N the Mercury
> started to add the hole, but I do remember (again I think) Lance Johnson
> showing up at Dayton in the 1992 - 1994 timeframe with a gold plated Mercury
> under a glass cover in their booth and selling the add-on. Hope this helps.

Chuck Adams K7Q0/5 adams@ticnet.com <http://www.qsl.net/k7qo/>

Date: Fri, 6 Aug 1999 01:19:54 -0500
From: "Charles Hamel" <cdhamel@pdq.net>
To: <J38AL@aol.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [46903] Re: Where's QRP-L??
Message-ID: <006001bedfd3\$b7312f60\$564158d8@cdhamel>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-2022-jp"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I was having problems accessing the QRP-L homepage myself yesterday!!

Charles
KC5DXQ - Norcal Zombie - HQRP- QRP-L #1919
<http://www.angelfire.com/de/kc5dxq/index.html>

Date: Fri, 6 Aug 1999 03:46:22 -0400
From: "wayne reed" <wlreed@viaduct.custom.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [46904] NC-20 Completed!
Message-ID: <008501bedfdf\$c82f59c0\$344961ce@q7c8d5>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Gang[e],

I [finally] completed the NorCal kit. My 'progress' was slowed by family matters, always a priority. Still waiting for grandchild - due any day.

The heat meant my choice of building in my shop [no A/C] was not the best, but nice weather made that work really fun!

Now, just need to build dummy load and antenna for BNC connection. I should have followed my instincts and changed to PL/SO 239 on back of rig.

'New thread',

how many of you like using BNC connectors for QRP rigs?? Station here is 90% traditional PL/SO 239 [can't forget the Heath HW-8 with the RCA - I always called that one the 'Heathkit Microwave Connector' as they would use it any place they needed a rf connection]!

If you like 'melting solder' you should love torroids!

Wayne, k9ne
wlreed@custom.net

Date: Fri, 6 Aug 1999 02:08:41 -0700
From: "Dave Fifield" <fifield@pacbell.net>
To: <wlreed@viaduct.custom.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [46905] Re: NC-20 Completed!
Message-ID: <000901bedfeb\$47689f20\$0100a8c0@pacbell.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

HI Wayne,

You point me at a right-angled PCB solder-in mounting SO-239 for about the same price as I'm paying for the BNC socket right now and I'll change the RHR designs over to it in a heartbeat....seriously!

72, Dave Fifield, AD6A
<http://www.redhotradio.com>

> 'New thread',
> how many of you like using BNC connectors for QRP rigs??
snip
> Wayne, k9ne
> wlreed@custom.net
>

Date: Fri, 6 Aug 1999 10:58:57 +0200
From: "Hans Sundstrom" <hans.sundstrom@telia.com>
To: <wlreed@viaduct.custom.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [46906] SV: NC-20 Completed!
Message-ID: <199908060858.KAA03070@d1o22.telia.com>

>how many of you like using BNC connectors for QRP rigs?? Station here is
>90% traditional PL/SO 239 [can't forget the Heath HW-8 with the RCA - I

I always use BNC for QRP/homebuilt gear.
I find the PL/SO239 big, clumsy and slow to handle.
73
Hans / SM4ATJ

Date: Fri, 6 Aug 1999 05:59:02 -0400
From: "Bill Legge, NT1R" <wlegge1@maine.rr.com>
To: <adams@ticnet.com>
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [46907] Re: Mercury hole solved
Message-ID: <199908060949.FAA11252@proxye4-atm.maine.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hello Chuck and List,
I purchased my secondhand Mercury (sn #183) with this accessory, the MR-1 Bracket, controlling a Cmos II keyer. It is a 1" x 2" inverted chromed brass "L" piece with four red or black spst mini pushbutton switches. The Mercury Remote - 1 Bracket was added by Steve when he discovered during the winter of 1991 that many Mercury owners also used the Kansas City Keyer. For \$25., Steve would drill the mounting hole in older Mercury paddles and from that point on, added the hole on new "gems". 72 Bill, NT1R

> From: Chuck Adams K7QO <adams@ticnet.com>
> To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
> Subject: OT: Mercury hole solved
> Date: Friday, August 06, 1999 1:56 AM
>
>
> Gang,
>
>
> If he gives me permission I'll post and give him

> credit. I just wanted to do this while I had the
> edit capability with his original email and not
> have to mess with files, editing, learning new
> stuff, ... I am not taking credit for this info,
> just relaying it to the many that own a Mercury
> paddle. Well OK, the 300+ owners. There was a
> separate numbering scheme for the FOC crowd and
> the YLs also had an additional numbering scheme
> that I remember a few telling me about.
>
>
>
> FYI
>
> > Chuck -
> >
> > The small hole with a plastic plug is for an add-on that (I think)
Lance
> > Johnson Engineering made for the Mercury. There is a chrome add-on
with 4
> > small push button switches to use as controls for the (again I think)
Kansas
> > City keyer. It will also work equally well with the Super CMOS series
of
> > keyers that use 4 switches. I have one of the gizmos somewhere in a
box
> > either in the shack or in storage that I purchased shortly after buying
the
> > Mercury (S/N XXX Manufactured 3/93). I'm not sure which S/N the
Mercury
> > started to add the hole, but I do remember (again I think) Lance
Johnson
> > showing up at Dayton in the 1992 - 1994 timeframe with a gold plated
Mercury
> > under a glass cover in their booth and selling the add-on. Hope this
helps.
>
>
>
> Chuck Adams K7QO/5 adams@ticnet.com <http://www.qsl.net/k7qo/>

Date: Fri, 06 Aug 1999 08:23:52 -0400
From: Zack Lau <zlau@arrl.org>
To: qrp-l@lehigh.edu
Subject: [46908] Re: 10m contest results
Message-ID: <37AAD3D8.69CF825A@arrl.org>

Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Did you take advantage of meteor scatter? Troposcatter is considerably enhanced by having a negative horizon angle. 73--Zack W1VT

Date: Fri, 6 Aug 1999 08:24:31 -0400
From: John R Kirby <n3aaz-qrp@juno.com>
To: wlreed@viaduct.custom.net, qrp-1@Lehigh.EDU
Subject: [46909] BNC Connector
Message-ID: <19990806.083041.-306917.0.n3aaz-qrp@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

>how many of you like using BNC connectors. . .

BNC

The first modification made to my HW-8
(the day I built the rig) replaced
the antenna port connector with a BNC.

The second and last mod (about a week later)
replaced that wimpy audio amplifier.

The Pomna 3286 (239 to BNC adaptor) will not tarnish.
Likewise the Kings KC-59-145 (BNC male cable end) is tarnish free.

John
N3AAZ
FM19xa

Get the Internet just the way you want it.
Free software, free e-mail, and free Internet access for a month!
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Fri, 6 Aug 1999 10:11:15 -0300
From: "Kleibe Jacinto de Araujo" <kleibe@dgo.mc.gov.br>

To: <qrp-1@lehigh.edu>
Subject: [46910] Elton Milani!
Message-ID: <006401bee00d\$29f56fa0\$2d3e370a@er7-000117.mc.gov.br>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

Ol elton
vc recebeu minha msg????

Date: Fri, 6 Aug 1999 07:35:11 -0600
From: "Rod Cerkoney" <rcw@frii.com>
To: <jaevans@codenet.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [46911] Re: INFO: National Park Sprint/Contest
Message-ID: <012101bee011\$522e8980\$928611d8@compaq>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Camp grounds excepted.

They don't even want you walking on the terrain at 12kft. Delicate alpine terrain. I was told that damaged plants can take years to recover. Also, neat factoid, some of the plants growing at 12kft, that are only inches tall; are similar to plants at lower altitudes that reach several feet in height. Hey QRP Plants! ;-)

----- Original Message -----

From: John Evans - N0HJ <jaevans@codenet.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Thursday, August 05, 1999 3:18 PM
Subject: Re: INFO: National Park Sprint/Contest

> Gee, I guess if you have a tent that requires pegs in the ground to
> hold it up, you are up the park without a shelter, eh?!!!!
>
> 72 - john
>

> Rod Cerkoney wrote:
> >
> > Folks:
> >
> > Today I spoke with the Head Ranger at Rocky Mt. National Park, to be
> > sure all was OK with my plan. In a word it is, but with limitations. NO
> > PUNCHING HOLES IN THE GROUND!! IT'S THE LAW AND I COULD BE FINED FOR
> > DOING IT.
>
> -- John A. Evans, N0HJ -- jaevans@codenet.net
>

Date: Fri, 6 Aug 1999 08:50:34 -0500
From: "Chuck Adams K7Q0" <adams@ticnet.com>
To: qrp-1@lehigh.edu
Subject: [46912] OT: CMOS II Keyer
Message-ID: <E11CjEb-0000tf-00@pop3.ticnet.com>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

Will the individual that bought the above from
me please email. I can't find your address and
I want to get it out the door before I leave
for Austin around noon CDT.

Thanks in Advance,

Oh, to verify tell me the amount of the check. :-)

Chuck Adams K7Q0/5 adams@ticnet.com <http://www.qsl.net/k7qo/>

Date: Fri, 06 Aug 1999 10:04:58 -0400
From: "Ed Lawson" <elawson@lr.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [46913] SST howling problem
Message-ID: <199908061356.JAA24023@server1.lawson-philpot.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

I have a SST 40 and 20. Both work very well except for one issue. With the volume up they will often develop an audio oscillation or howl. I've looked at the list of mods and found references to fixes, but these seem to be incorporated in the kits I built. This is not a constant problem, but there is a tendency to oscillate upon keying with the volume up.

Anyone else encounter this issue and managed to resolve it?
Any construction issues that may be causing it?

Like the rigs, after all I worked a RA3 with the SST20 the first night it was completed and tested. It was QRP to QRP with Alex running 5 watts.

Ed Lawson
K1VP

Date: Fri, 06 Aug 1999 09:58:43 -0400
From: Ken Newman <N2CQ@citnet.com>
To: epaqrp-1@lehigh.edu, QRP-L@lehigh.edu, njqrp@njqrp.org
Subject: [46914] QRP Contesting: This Weekend
Message-ID: <3.0.6.32.19990806095843.00888c90@mail.citnet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

~~~~~  
QRP CONTEST CALENDAR

This Weekend

Aug 7/9 1999

~~~~~  
QRP National Park Contest Expedition ... QRP Contest!

Aug 7 - 1700z to 2100z

Rules: <http://www.geocities.com/SiliconValley/Monitor/1070/events.html>
~~~~~



North American QSO Party (CW) ... QRP Interest

Aug 7 - 1800z to Aug 8 - 0600z

Rules: <http://www.waterw.com/~ncj/naqso.htm>

-----  
72/73 de  
Ken Newman - N2CQ  
Woodbury, NJ

N2CQ@ARRL.NET

~~~NJ QRP Club Home Page ~~~  
<http://www.NJQRP.org>

~~~Club Callsign~~~  
WQ2RP

-----  
Date: Fri, 6 Aug 1999 07:22:41 -0700 (PDT)  
From: Monte Stark <ku7y@dri.edu>  
To: Ken Newman <N2CQ@citnet.com>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [46915] Re: QRP Contesting: This Weekend  
Message-ID: <Pine.GS0.4.10.9908060720230.9718-1000000@rotor.dri.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 6 Aug 1999, Ken Newman wrote:

> ~~~~~  
>  
> QRP CONTEST CALENDAR  
>  
> This Weekend  
>  
> Aug 7/9 1999  
>  
>  
> ~~~~~

Ken,

A BIG THANK you for posting this info in such a nice format! This makes finding the dates and contest info simple....you are going to spoil us all!

(And please do continue doing this)

cul,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....  
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

-----  
Date: Fri, 6 Aug 1999 10:37:48 -0400  
From: "Hartwell, Martin E (Marty)" <mhartwell@lucent.com>  
To: qrp-l@lehigh.edu  
Subject: [46916] David Adams  
Message-ID: <76B2C11F0337D3118A670008C7F9DBC77AA3ED@OH0012EXCH002U>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

David

I don't seem to have your email address at this moment. I was wondering if you received the blank CD and return address stuff to copy my archive. I was on vacation for a couple of weeks, so if you have sent it back already then I will have to check on this end to find it, but if you are busy or something that is alright also. I was just wondering.

Marty kd8bj

-----  
Date: Fri, 6 Aug 1999 10:48:37 EDT  
From: Shephed@aol.com  
To: qrp-l@lehigh.edu  
Subject: [46917] SWORDS Fox Hunt Team 99  
Message-ID: <b8982a91.24dc4fc5@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

The South West Ohio Radio Demolition Squad is in need of at least one more member.  
(maybe two)

Anyone in SW Ohio, Northern Kentucky, or Eastern Indiana is invited to join.

Tnx, 72, 73  
Dan, N8IE  
QRP-1 #1404

-----  
Date: Fri, 6 Aug 1999 11:14:33 -0400  
From: "Pete Meier" <pete.meier@lmsna.com>  
To: "Qrp-L" <qrp-l@Lehigh.EDU>  
Subject: [46918] Michigan Challenge reminder!  
Message-ID: <000001bee01e\$63bca260\$81e0c026@lmsna.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

To all,

Just a quick reminder/invite to join us in the Michigan Challenge a new QRP  
event on Saturday August 21, 1999 from 1600-2000UTC.

More info and rules at <http://www.tir.com/~k8dd/miqrp.htm>

-----  
Pete WK8S  
pmeier@tir.com

-----  
Date: Fri, 6 Aug 1999 10:33:23 +0000  
From: "Steven Weber" <kd1jv@moose.ncia.net>  
To: qrp-l@lehigh.edu  
Subject: [46919] Overmodulated PSK-31 on 7.040  
Message-ID: <199908061515.LAA06465@moose.ncia.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT  
Content-Transfer-Encoding: 7BIT

The last couple of nights I've been on 40 M and noticed a moderately strong PSK-31 station coming on 7.040 Mhz. I can hear the effects of his modulation for at least +/- 1.5 Khz, and I have a prettty tight filter. This is not normal, and all I can think of is he must be seriously overmodulated to be causing that kind of splatter.

Wish I had a way to tell him to turn down the modulation level!  
That must be the down side of PSK-31 and someone who doesn't know how to adjust their equipment!

72,

Steve, KD1JV in the white Mountains of New Hampshire  
"melt solder"

-----  
Date: Fri, 6 Aug 1999 09:21:56 -0600 (CST)  
From: Bruce Rattray <rattray@gpfn.sk.ca>  
To: Low Power Group <qrp-1@LeHigh.EDU>, QRP-Canada <qrp-canada@lists.gpfn.sk.ca>  
Subject: [46920] 40 mtr Fox Hun Teams  
Message-ID: <Pine.LNX.3.95.990806091031.21053I-100000@neale.gpfn.sk.ca>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

We now have the first official 40 mtr Fox Hunt Team entry for the 1999-2000 season...it's the <drum roll + cymbal crash>

"Raiders of the Lost RF"

Mary - NA6E  
Earl - VE6EWM  
Fred - VE3FAL  
Bruce- VE5RC

...my mailing list "spies" have reported a definite "rustling" sound in the "woods" as well as very high resolution pictures from our spy satellite of antenna projects in full swing preparing for the Fox Hunts ....the FUN begins!... ;-))

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272  
A-1 Operator Club - 10/10# 944 - 128 Durham Drive, Regina, SK.,  
S4S-4Z2, Canada-AR Stamp Collector- "QRP! How sweet it is!"

-----  
Date: Fri, 6 Aug 1999 11:20:32 -0400

From: "Armin Hachmer" <armin@muskoka.com>  
To: "qrp-l" <qrp-l@Lehigh.EDU>, <qrp-canada@lists.gpfn.sk.ca>  
Subject: [46921] hear spark gap tx, cool website QRP  
Message-ID: <002901bee01f\$3ca050e0\$28afd4c7@muskoka.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Lectrokit is alive and well and so is the spider QRP kit, as well as  
beverage antenna and QRP tuner stuff AND audio samples of sparkgap tx.  
Found the address by accident in July QST page 148.  
Armin Hachmer VE3TEQ  
'Life is a contactsport'  
armin@muskoka.com

-----  
Date: Fri, 6 Aug 1999 11:27:02 EDT  
From: Macstein@aol.com  
To: qrp-l@lehigh.edu  
Subject: [46922] Continuing saga of AOL and 20 meters late night/early morning.  
Message-ID: <83c36719.24dc58c6@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

I seem to have gotten my problem resolved. Postings are appearing today. I  
don't know what was done, but I want to thank all of you who replied  
directly. Lot's of AOL users on the list! It appeared about half of the  
responders were experiencing problems and half were not, and I found no  
geographical correlation. Thanks to the list for tolerating (to different  
degrees) the complaint.

Now....

East coasters (and mid-westerners) who stayed up late have been rewarded with  
a DX frenzy on 20 meters the last few days. George, GM30XX/qrp (at 1 watt and  
a wire ant.) in Scotland has been logging miles-per-watt award contacts by  
the dozens. Rumi, LZ2RS has dropped to qrp, and is a great op. Ivo, 9A5A was  
qrp with a simple wire ant. And the treat of the nite for me was DL2RM/p who  
was using paddles for the first time -- our fists were comparable! What fun!  
Stay up and join us! (YAWN!)

KF4KSM  
Odessa, FL

-----  
Date: Fri, 6 Aug 1999 11:27:12 -0400  
From: "Alex Mendelsohn" <ai2q@ispchannel.com>  
To: <kd1jv@moose.ncia.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [46923] RE: Overmodulated PSK-31 on 7.040  
Message-ID: <000401bee020\$281cbd60\$5c32a7d0@mendelsohn.ispchannel.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Steve:

That's always been the case where guys try to simulate FSK by feeding AFSK into their microphone jacks. As you point out, it's fraught with risks--especially by appliance ops.

If you tickle a balanced modulator with a single audio tone (that's a sinewave or close to it), you'll get carrier out (CW). If you switch between two pure audio tones, you'll effectively get FSK out of an SSB exciter.

But, if you over-drive it, you'll wind up with distortion products up and down in frequency from the carrier--which is illegal splatter and unnecessary and QRM. Unfortunately, I don't know how this will ever be impressed on unknowing--and perhaps uncaring--data operators.

Off soapbox and back to work. Vy 73, AI2Q, Alex in Kennebunk, Maine .-.-.

> -----Original Message-----  
> From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of  
> Steven Weber  
> Sent: Friday, August 06, 1999 6:33 AM  
> To: Low Power Amateur Radio Discussion  
> Subject: Overmodulated PSK-31 on 7.040  
>  
>  
> The last couple of nights I've been on 40 M and noticed a moderately  
> strong PSK-31 station coming on 7.040 Mhz. I can hear the effects of  
> his modulation for at least +/- 1.5 KHz, and I have a pretty tight  
> filter. This is not normal, and all I can think of is he must be  
> seriously overmodulated to be causing that kind of splatter.  
>

> Wish I had a way to tell him to turn down the modulation level!  
> That must be the down side of PSK-31 and someone who doesn't know how  
> to adjust their equipment!  
>  
> 72,  
> Steve, KD1JV in the white Mountains of New Hampshire  
> "melt solder"  
>

-----  
Date: Fri, 6 Aug 1999 11:36:32 EDT  
From: GElam30092@aol.com  
To: qrp-1@lehigh.edu  
Subject: [46924] Batteries & power?  
Message-ID: <80b7c035.24dc5b00@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

My QRP station is s-l-o-w-l-y coming together. The DSW-40 is complete, the antenna is in progress and the ant. tuner should be here within a couple of days.

Question for the wisdom of the group: what do you guys use for portable power? There appear to be so many choices of batteries and rechargers, that I figured a quick survey would be beneficial!

See some of you in Phoenix tomorrow at the AZ ScQRPions not-a-meeting!  
Thanks in advance!  
Gerry Elam  
PHX AZ

-----  
Date: Fri, 6 Aug 1999 11:37:00 -0400  
From: "Tim Cook" <timcook@erinet.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [46925] For Trade: MFJ 752 Keyboard Keyer  
Message-ID: <015b01bee021\$87107d60\$246b5acf@timcook.erinet.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

I tried it again, and still would rather use paddles, so I have for trade a MFJ Model 753 keyboard keyer. It is really a nice one, with a LCD readout of tx characters and type ahead buffer. It has several other features. Here is a link to MFJ <http://www.mfjenterprises.com/keyers/mfj452.html>

It does not come with the keyboard, any AT style keyboard will work. they are readily available for \$5 or less. It does come with the manual.

I would like to trade for QRP transceiver, antenna tuner, or ?????

Thanks

Tim

NZ8J

-----  
Date: Fri, 06 Aug 1999 11:31:43 -0500  
From: "George T. Baker" <w5yr@swbell.net>  
To: kd1jv@moose.ncia.net  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [46926] Re: Overmodulated PSK-31 on 7.040  
Message-ID: <37AB0DEF.DC813408@swbell.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

It may not be simple overdriving with too high a mic gain setting, Steve.

Many, if not most, soundcards output a highly distorted, clipped signal if the mixer/audio level controls are advanced much above the 1/3 to 1/2 point. This cannot be detected unless the operator is watching either the audio output of the card into the rig and/or the r-f envelope output of the transmitter, preferably both.

Another source of broad signals is the introduction of 60 Hz and 120 Hz trash into the input audio which causes the PSK31 signals to repeat at intervals of 60 and 120 Hz above and below the actual carrier frequency.

Simply "turning down the modulation level" does not cure these problems which 99% of PSK31 users may not know exist. The only sure way to know what is going out on the air is scope monitoring, and even that can miss the more subtle problems. I use two PSK stations here in the shack, monitoring the output of one with a receiver and computer doing a spectral estimation of the output. That is the only way that many of us have been able to come up with that enables you to know exactly what you are putting out.



PSK31 when in IDLE produces a textbook perfect two-tone audio signal which in turn produces the classic two-tone output envelope signal used for SSB rig testing, etc. An acceptable PSK31 signal will have its third-order sidebands down at least 25-30 db and higher-order distortion products should be at <40 db or better, just like a quality SSB signal. The spectrum of a PSK31 idle signal is exactly like that of a two-tone-modulated SSB transmitter.

Steve, another thought: are you sure that is a PSK31 station that you heard? What did the waterfall display look like? There are "Hellschreiber" stations becoming active that have MUCH wider signals than PSK31 but which might sound like it. BTW, these stations claim CW as their operating mode and assert their "right" to operate in CW band segments.

72/73, George                    AMA 98452                    R/C since 1964

Amateur Radio W5YR, in the 53rd year and it just keeps getting better!  
AutoPOWER Systems, Fairview, TX (30 mi NE Dallas) Collin County  
QRP-L QRP-ARCI FISTS NORCAL ZOMBIE ARS 10-X 33.2 N 96.6 W EM13RE

Steven Weber wrote:

>

> The last couple of nights I've been on 40 M and noticed a moderately  
> strong PSK-31 station coming on 7.040 Mhz.

> Wish I had a way to tell him to turn down the modulation level!

-----

Date: Fri, 6 Aug 1999 10:43:34 -0600 (CST)  
From: Bruce Rattray <rattray@gpfn.sk.ca>  
To: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-l@LeHigh.EDU>  
Subject: [46927] 40 mtr Fox Hunt Teams (fwd)  
Message-ID: <Pine.LNX.3.95.990806103826.31043B-100000@neale.gpfn.sk.ca>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

We now have the UNDERDOGS back on board for the hunt!...thanks very much  
Roy, AB7CE, for the info!

"Underdogs"

Roy     - AB7CE  
Dan     - N4ROA  
Brian   - KB8BVN  
Ron     - KI0II

"Raiders of the Lost RF"

Mary - NA6E  
Earl - VE6EWM  
Fred - VE3FAL  
Bruce- VE5RC

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272  
A-1 Operator Club - 10/10# 944 - 128 Durham Drive, Regina, SK.,  
S4S-4Z2, Canada-AR Stamp Collector- "QRP! How sweet it is!"

-----  
Date: Fri, 06 Aug 1999 12:44:12 -0400  
From: Jim Dolson <jdolson@iserv.net>  
To: QRP <qrp-1@Lehigh.EDU>  
Subject: [46928] URGENT REQUEST: PACEMAKERS & HAM RADIO  
Message-ID: <37AB10DC.3D7DFE1@iserv.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hi Folks.

My dad has been passing out occasionally (one a month) for a couple of years (no, he doesn't drink too much).

Anyway, the doctors have finally decided that he needs to have a pacemaker installed. He has told my mom that he doesn't want to get one because he wouldn't be able to get near antennas, would have to give up his ham radio hobby, etc.

Does anyone \*know\* the possible effects of ham radio on a pacemaker? If it is a problem at normal 100 watt levels, does anyone know if QRP is A-OK ?

I'm looking for either (1) something that has been published or (2) hams with pacemakers that continue to operate.

If anyone can help me with either item, please send an e-mail directly to [jdolson@iserv.net](mailto:jdolson@iserv.net)

THANKS A LOT!

Jim

-----  
Date: Fri, 06 Aug 1999 09:54:28 -0700  
From: Bill Jones <kd7s@psnw.com>  
To: jdolson@iserv.net  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [46929] Re: URGENT REQUEST: PACEMAKERS & HAM RADIO  
Message-ID: <37AB1344.3AE4E7A3@psnw.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Jim,

My mother (who lived with us for a couple years before passing away) had a pacemaker implanted. I spent quite a bit of time with both the surgeon who did the implant and a representative of the company that manufactured the pacemaker. Modern pacemakers are safe from all but arc welders. Mom wasn't too concerned about giving up her arc welder and I wasn't concerned about running as much as 100 watts with her in the house. Tell your dad to go for it.

Jim Dolson wrote:

> Hi Folks.  
>  
> My dad has been passing out occasionally (one a month) for a couple of  
> years (no, he doesn't drink too much).  
>  
> Anyway, the doctors have finally decided that he needs to have a  
> pacemaker installed. He has told my mom that he doesn't want to get one  
> because he wouldn't be able to get near antennas, would have to give up  
> his ham radio hobby, etc.  
>  
> Does anyone \*know\* the possible effects of ham radio on a pacemaker?  
> If it is a problem at normal 100 watt levels, does anyone know if QRP is  
> A-OK ?  
>  
> I'm looking for either (1) something that has been published or (2) hams  
> with pacemakers that continue to operate.  
>  
> If anyone can help me with either item, please send an e-mail directly  
> to jdolson@iserv.net  
>

> THANKS A LOT!

>

> Jim

--

=====  
Bill Jones - KD7S <><  
Sanger, California  
<http://www.psnw.com/~kd7s>  
=====

-----  
Date: Fri, 6 Aug 1999 10:57:48 -0600 (CST)  
From: Bruce Rattray <rattray@gpfn.sk.ca>  
To: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-l@LeHigh.EDU>  
Cc: n2cq@arrl.net  
Subject: [46930] new Sprint (fwd)  
Message-ID: <Pine.LNX.3.95.990806105429.671B-100000@neale.gpfn.sk.ca>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Thanks for posting the "QRP Contest Calendar" Ken...much appreciated  
....saves me time going through the ham magazines...HI HI.....Mary, NA6E,  
who is QRP-C#7, has come up with the following qrp sprint to celebrate the  
1st birthday of the QRP-Canada QRP mailing list...

\*\*\*\*\*

#### QRP-C BIRTHDAY SPRINT

\*\*\*\*\*

Aug.14 1600-2000Z, CW HF only.  
Aug.15 1600-2000Z, SSB HF only.

Categories:

- All-bands, single band.

Exchange: RST, S/P/C and QRP-C number (non-members send power).

Suggested freqs: CW: normal QRP calling frequencies +/-  
SSB: 1830, 3865, 7285, 14285, 21385, 29385 mHz +/-

QSO Points:

- QRP-C member = 5 points.
- non-member different continent = 4 points.
- non-member same continent = 2 points.

Multipliers:

- S/P/C total for all bands. S/P/Cs count once per band.
- Power: greater than 5w = X1, 1-5w = X2, 250mw-1w = X3, less than 250mw = X4.
- contact with VE5QRP 100 point bonus once per band.
- contact with NA6E 100 point bonus once per band.

Final Score:

- QSP points X total S/P/Cs X Power Multiplier + VE5QRP/NA6E bonus points.

Awards: overall and State/Province/Country for each mode.

Entries must include copy of log and summary sheet. Dupe sheet required if over 100 qsos.

Seperate logs must be made for each mode.

Send entries via e-mail within 30 days of the contest date to Earl Murphy at: earlmurf@telusplanet.net with "QRP-C Sprint" in the SUBJECT line.

...thanks Ken....any questions, please let Mary(NA6E) know...(heh,heh,heh)

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272  
A-1 Operator Club - 10/10# 944 - 128 Durham Drive, Regina, SK.,  
S4S-4Z2, Canada-AR Stamp Collector- "QRP! How sweet it is!"

-----  
Date: Fri, 06 Aug 1999 13:03:40 -0400  
From: "Ed Hare, W1RFI" <w1rfi@arrl.net>  
To: qrp-l@lehigh.edu  
Subject: [46931] Re: hear spark gap tx, cool website QRP  
Message-ID: <37AB156C.1C15@arrl.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Armin Hachmer wrote:

> Lectrokit is alive and well and so is the spider QRP kit, as well as  
> beverage antenna and QRP tuner stuff AND audio samples of sparkgap tx.  
> Found the address by accident in July QST page 148.

Hello, Armin,

Doesn't need to be an accident. The ARRL TIS Addresses database has  
been put up on the ARRL Web page. Go to:

<http://www.arrl.org/tis/tisfind.html>

and type in Lectrokit in the search box.

You can also type in QRP, just to see if the guys in the Lab think QRP  
is important. :-)

The database uses a simple, flat word search, so typing any word in the  
company name, address, city, notes field, or, most important, category  
field, will give you a hit. So if you remember that there was a repair  
company in Chicago, you can type Chicago or Repair and scroll through  
the results.

The category list can also be interactively searched on the page.

If any of you know of companies, organizations, etc., NOT in the  
database, or have corrections, send them to [aa1do@arrl.org](mailto:aa1do@arrl.org), Al  
Alvareztorres, the ARRL TIS Coordinator. Al is the ONLY guy in the Lab  
who is not an active QRPer, but he is a nice guy who works real hard for  
Amateur Radio, so we will keep him anyway. :-)

73,  
Ed Hare, W1RFI  
ARRL Lab

-----  
Date: Fri, 06 Aug 1999 13:10:07 -0400  
From: "Ed Hare, W1RFI" <[w1rfi@arrl.net](mailto:w1rfi@arrl.net)>  
To: [qrp-l@lehigh.edu](mailto:qrp-l@lehigh.edu)  
Subject: [46932] Re: Overmodulated PSK-31 on 7.040  
Message-ID: <[37AB16EF.782E@arrl.net](mailto:37AB16EF.782E@arrl.net)>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

George T. Baker wrote:

> Steve, another thought: are you sure that is a PSK31 station that you  
> heard? What did the waterfall display look like? There are  
> "Hellschreiber" stations becoming active that have MUCH wider signals  
> than PSK31 but which might sound like it. BTW, these stations claim CW as  
> their operating mode and assert their "right" to operate in CW band  
> segments.

The Hellschreiber modes are becoming popular in Europe. They are presumably legal in at least a few countries over there. In the US, multitone modulation is NOT permitted on HF, so they are not legal. IMHO, the rules should be changed to permit such modulation on HF, subject only to bandwidth limits, but that is another discussion, better suited to rec.radio.amateur.policy than here. :-)

Unfortunately, 7.040 MHz is the European digital calling frequency, so we really can't be surprised when we hear European digital signals, and US stations working them. In NE, a Hell mode station comes on every night at about 0100 UTC or so, off and on for hours some nights. Wreaks havoc with my 850 milliwatt Tuna Tin 2 signal.

If it IS a PSK-31 station, though not required by US law, many of the PSK-31 stations ID in FSK Morse code. Maybe you can get an ID and contact the operator with some friendly suggestions. He may also be unaware that 7.040 is the US QRP frequency. Most ops would be willing to conduct their US/US PSK-31 QSOs a bit higher up the band.

73,  
Ed Hare, W1RFI

-----  
Date: Fri, 6 Aug 1999 13:19:29 EDT  
From: HammanAl@aol.com  
To: qrp-l@lehigh.edu  
Subject: [46933] Re: Overmodulated PSK-31 on 7.040  
Message-ID: <138a7ad0.24dc7321@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

The PSK-31 info says you are supposed to use some sort of attenuation if you feed the audio to the mic jack, or guess what? It could cause this exact problem, if all else fails read the instructions.

Al KA6FBB

-----  
Date: Fri, 6 Aug 1999 10:21:02 -0700 (PDT)  
From: Dave Pomeroy <dave\_pomeroy@yahoo.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Message-ID: <19990806172102.7302.rocketmail@web601.yahoomail.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

I just ordered my K2 and wondered what temp antenna tuner you folks would recommend. I am putting up a G5RV for 80 thur 10. I seem to remember something about a ZM-2 not working just right. Can anyone give a suggestion. Thanks for your time.  
Dave Pomeroy KL0TE

-----  
Do You Yahoo!?  
Free instant messaging and more at <http://messenger.yahoo.com>

-----  
Date: Fri, 06 Aug 1999 13:33:01 -0400  
From: "Ed Hare, W1RFI" <w1rfi@arrl.net>  
To: qrp-l@lehigh.edu  
Subject: [46935] Re: URGENT REQUEST: PACEMAKERS & HAM RADIO  
Message-ID: <37AB1C4D.3E5C@arrl.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Jim Dolson wrote:

> Does anyone \*know\* the possible effects of ham radio on a pacemaker?  
> If it is a problem at normal 100 watt levels, does anyone know if QRP is  
> A-OK ?

Jim,

Email me with your callsign. ARRL has a "Pacemaker" package that describes what your Dad and his doctor need to know. It includes a study done that shows that modern pacemakers are pretty much immune to fields >100 V/m. At 100 W with antennas located a reasonable distance away, pacemakers should be fine. Do have your Dad review this material with his Doctor, though. If needed, we can put his Doctor in touch



with one of the physicians on the ARRL RF Safety Committee.

I had a good URL, but it seems to be busted. Everything else I have is in paper right now, although as soon as I get the necessary permissions, I will scan the articles and post them on the ARRL Web site.

73,  
Ed Hare, W1RFI  
ARRL Lab

-----  
Date: Fri, 6 Aug 1999 10:38:13 -0700 (PDT)  
From: Richard Fisher <ki6sn@yahoo.com>  
To: QRP-L Reflector <qrp-l@lehigh.edu>  
Cc: Richard Fisher <KI6SN@yahoo.com>  
Subject: [46936] Now Showing: August's edition of The ARS Sojourner  
Message-ID: <19990806173813.29710.rocketmail@web218.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

NOW SHOWING: THE AUGUST EDITION OF THE ARS SOJOURNER

The August edition of the Adventure Radio Society's monthly magazine, The ARS Sojourner, has been posted to the organization's web site, and is available free at:

<http://www.natworld.com/ars>

This month's highlights include articles from renowned QRPer and author Wes Hayward, W7ZOI, and from Bill Jones, KD7S, Cam Hartford, N6GA, and Dr. Bob Armstrong, N7XJ, as well as findings of the ARS QRP Lab's examination of the QRP Plus transceiver by Russ Carpenter, AA7QU.

Here's a comprehensive index of what's in store:

- + A Portable Yagi for 2-meter SSB/CW, by Wes Hayward, W7ZOI, with details and photos of this innovative antenna.
- + The Sky's The Limit: Navigating the Wilderness with GPS, by contributing editor Bill Jones, KD7S, told in story and pictures.
- + The ARS QRP Lab: Progress Report and Request for Input, by Russ Carpenter, AA7QU, founder of the Adventure Radio Society.
- + Hike, Drink and Be Merry: Winning the Battle Against Dehydration, by Dr. Bob Armstrong, N7XJ, contributing editor.
- + An Update: In Search of the Perfect Trailside Antenna, by Cam Hartford, N6GA, contributing editor.
- + And regular features including: Who's Who and Who's New in ARS,

results and soap box comments from August's Spartan Sprint, Wilderness Alert, Readers Write, From Our Vantage Point, and a rundown of upcoming events.

We are fortunate to have such worldclass contributors to the society's monthly periodical, and hope you enjoy this edition.

On behalf of the entire staff, thanks so much for your ongoing support, and please don't hesitate to pass along your suggestions, comments and criticism.

Vy 72,

Richard Fisher, KI6SN  
Executive editor, The ARS Sojourner  
KI6SN@yahoo.com

---

Do You Yahoo!?  
Free instant messaging and more at <http://messenger.yahoo.com>

---

Date: Fri, 6 Aug 1999 13:43:56 -0400  
From: "Ed Tanton" <n4xy@att.net>  
To: <n3aaz-qrp@juno.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [46937] RE: BNC Connectors  
Message-ID: <NBBBJDEEIFDDANGEGHLBAEAGGIAA.n4xy@att.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hello All... I am ambivalent... I guess if I had my druthers, I'd change all the BNC-rigs to UHF. But it's ONLY because I just can't bring myself to like

MAKING them.

Using them, however, is another matter entirely. Much nicer all the way around: they weigh [a little] less; they connect much easier; and they have a smaller panel footprint.

I solved the MAKING part by (confession time) by BUYING a couple of 3ft'ers; several 5 ft'ers; and a 25ft cable, premade, from DIGIKEY. They weren't THAT expensive, and are quite flexible (RG-58.) The 25ft'er is to run a cable from the test bench over to the operating desk on occasion.

72 / 73 Ed N4XY Elecraft K2 sn: 000057

-----  
Ed Tanton N4XY EMAIL: n4xy@arrl.net  
189 Pioneer Trail  
Marietta, GA 30068-3466 TEL: (770) 971-0436

-----  
INTERESTS: \*CW (99.5%) \*QRP (QRP-L# 758)  
\*BoatAnchors \*Test Equipment \*Photography

~~~~~  
"Begin at the beginning... and go on until you come
to the end: then stop."

The White Rabbit, from "Alice In Wonderland"

Date: Fri, 6 Aug 1999 14:11:06 -0400
From: "Richard Hensel" <rrhensel@sprintmail.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [46938] RE: BNC Connectors
Message-ID: <001401bee037\$0d969cb0\$0317e590@nosrrhensel>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

#include<std.disclamer>

I like the BNC's. Making them is easy, I bought a kit from MilesTek to crimp on the connectors. Each connector is about \$1.00 and the toolkit is \$35.00 in there catalog. Made making up cables so much easier.
www.milestek.com
no interest, just a customer

Richard Hensel
SPRINT
rrhensel@sprintmail.com
n8wlc@arrl.net

When you have a hammer in your hand ...
The whole world looks like a nail.

-----Original Message-----

From:
Ed Tanton

Hello All... I am ambivalent... I guess if I had my druthers, I'd change all the BNC-rigs to UHF. But it's ONLY because I just can't bring myself to like MAKING them.

---snip---

Date: Fri, 06 Aug 1999 11:31:30 -0700
From: Scott Gregson - KC7MAS <emtech@steadynet.com>
To: qrp-l <qrp-l@lehigh.edu>
Subject: [46939] Barter - experienced time for new ZM-2 Kits (or other stuff)
Message-ID: <37AB2A02.C22C006D@steadynet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Please Respond to me directly - not to the list!!!

HELP!

In addition to running Emtech I run a full time ministry. I am swamped in the ministry, and could use some experienced help with Emtech stuff.

I can't pay, but can trade anything I sell for some labor.

Requirements - General Class or better. Living in the general area of Bremerton, WA. skills needed are troubleshooting, alignment (relatively easy), maybe some building, experience with NWxx series radios.

I have some other Ham gear to trade if the regular Emtech product line isn't useful.

Please Respond to me directly - not to the list!!!

--

Scott Gregson - KC7MAS
emtech@steadynet.com
<http://emtech.steadynet.com>
+++++
Scott Gregson Co. / Emtech / CFC
1127 Poindexter Ave W
Bremerton, WA 98312

Date: Fri, 6 Aug 1999 11:43:02 -0700 (PDT)
From: Monte Stark <ku7y@dri.edu>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [46940] RE: BNC Connectors
Message-ID: <Pine.GSO.4.10.9908061128060.12015-100000@rotor.dri.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 6 Aug 1999, Richard Hensel wrote:

> I like the BNC's. Making them is easy, I bought a kit from MilesTek
> to crimp on the connectors. Each connector is about \$1.00 and the
> toolkit is \$35.00 in there catalog. Made making up cables so much easier.
> www.milestek.com
> no interest, just a customer

>
> Hello All... I am ambivalent... I guess if I had my druthers, I'd change all
> the BNC-rigs to UHF. But it's ONLY because I just can't bring myself to like
> MAKING them.
> ---snip---

Hi All,

I'd like to throw out my observations on BNC connector types....

We used to make cables using the "regular" style BNC connectors.
There were many failures, both when they were first put on and
later in the field.

So a switch was made to crimp on connectors. These proved to be
much easier to install on the cable and reduced those failures
BUT.... we had a very high failure rate in the field. Within 2
years well over 50% of those connectors failed for one reason
or another. Many pulled apart due to the wind flexing the cable
at the connector. Others failed when the contact between the

cable shield and body of the connector became "dirty".

About 7 years ago we switched to another style of BNC connector. It is one where you solder the pin, insert the pin and cable into the fitting and "snap" a spring loaded "collar" to hold everything in place.

While this sounds far too simple to work, we have had almost no failures with these fittings in the 7 years we have used them.

I am a believer. :-)

Another bonus is that there are no fancy tools needed to install them on the cable.

Cable cutter (side cutters, pocket knife....whatever) stripper (again, whatever you normally use) and the soldering iron of some kind.

The little "tool" to instal the spring loaded collar is included with each fitting.

The Amphenol number for RG58AU cable is:

BNC PLUG 31-4700
BNC JACK 31-4701

Price is compairable to the other styles.

The above is just my observations from a few years of use. I have not done any fancy tests!

We buy them from various suppliers.

Hope this helps someone....

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Fri, 6 Aug 1999 14:38:30 -0400 (EDT)

From: klh@nsgqs.cb.lucent.com
To: qrp-l@lehigh.edu
Subject: [46941] qrp enclosures
Message-ID: <199908061838.0AA07862@nsgqs.cb.lucent.com>

I bought some mints in a tin at Target. These are 'Dilbert' mints in collectable (of course) tins of four different designs. The tin is smaller than Altoids (outside dimensions: 3 1/4", 2 1/2", 3/4"). The different print designs can help to identify the project within.

The 'Dogbert' tin contains my VE3DNL marker/generator
The 'Catbert' tin has my SMITE
The 'Dilbert' tin has the TICK keyer, and
The 'Boss' tin has.....what's this?
Mints....
Time for another project.

72,
Kaye, K8GZ Lancaster, OH

And my wife likes these mints more than Altoids.

Date: Fri, 06 Aug 1999 18:53:40 +0000
From: Ed Loranger <we6w@qsl.net>
To: qrp-l@lehigh.edu
Subject: [46942] RE: BNC Connectors
Message-ID: <37AB2F34.1810@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I prefer the BNC's but use S0-239's due to predominance in the gear I inherited or due to the OHR-100 case being pre-cut for the S0-239.

If you are drilling or punching your own panels without the "D" punch and have the time, try to punch or drill the panel smaller and finish by filing in the "D" form.

It is quite unnerving to have the antenna port connector turn when trying to disconnect or connect your BNC to it.

This is usually followed with a rig disassembly and search for a good wrench to hold the BNC and torque the rear nut on tightly with. There are flavors of the S0-239 that use

a nut for panel mount, but the 4 screw hole mounts don't move and are a good choice for heavy use.

My \$.02 on the subject. 72/Ed we6w

--
-Ed AR Millennium Q's=>1000/2000 QRP-L#1068 BB#101
72, Ed WE6W, A-1 OP; <http://www.qsl.net/we6w> Santa Rosa, CA
QRP-Z#106 AR#112 HI-QRP#64 NC#2227 ARCI#9397 ARS#275

Date: Fri, 6 Aug 1999 12:05:17 -0700
From: Dave Barrett <DBarrett@creo.com>
To: "'we6w@qsl.net'" <we6w@qsl.net>, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [46943] RE: BNC Connectors....Why not "TNC"
Message-ID: <CE0A40BFE0CDD111A2B800A0C99B83EB01313A87@msgcreo2.creo.bc.ca>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

It seems folks want the reliability of the S0239 and the ease of operation of the BNC, how come no one has mentioned the TNC.....Its come in a four screw chassis mount version so its got all the mechanical stability of the S0239, it has the same small footprint as the BNC and is a screw on fit so its more reliable than a BNC, they are also used up to the Ghz regions so are great for low loss installations.

Just a thought

Have a great weekend all !!

Dave VE7PCC Vancouver BC

Canada (Recumbenteer)

-----Original Message-----

From: Ed Loranger [mailto:we6w@qsl.net]
Sent: Friday, 06 August, 1999 11:54 AM
To: Low Power Amateur Radio Discussion
Subject: RE: BNC Connectors

I prefer the BNC's but use S0-239's due to predominance in the gear I inherited or due to the OHR-100 case being pre-cut for the S0-239.

If you are drilling or punching your own panels without the "D" punch and have the time, try to punch or drill the panel smaller and finish by filing in the "D" form.

It is quite unnerving to have the antenna port connector turn when trying to disconnect or connect your BNC to it.

This is usually followed with a rig disassembly and search for a good wrench to hold the BNC and torque the rear nut on tightly with. There are flavors of the SO-239 that use a nut for panel mount, but the 4 screw hole mounts don't move and are a good choice for heavy use.

My \$.02 on the subject. 72/Ed we6w

--

-Ed AR Millennium Q's=>1000/2000 QRP-L#1068 BB#101
72, Ed WE6W, A-1 OP; <http://www.qsl.net/we6w> Santa Rosa, CA
QRP-Z#106 AR#112 HI-QRP#64 NC#2227 ARCI#9397 ARS#275

Date: Fri, 06 Aug 1999 12:30:19 -0700
From: Jeff Grudin <grudin@pacific.vdbs.com>
To: dave_pomeroy@yahoo.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [46944] Re:
Message-ID: <37AB37CB.3BAF2DD9@vdbs.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I used a homebrew Z-match with the K2 and a 100 ft center fed dipole fed with 300 ohm TV wire for the BB contest. It seemed to work very well. Especially the night before when we worked DX all over Europe and So America during the IOTA contest.

At home I am using it with an MFJ Deluxe Versa Tuner and it works fine except if there is a big mismatch. The K2 then limits the current and power out. You can get it close, then stop keying and re-key and the power comes back to normal. Not really a problem once you get used to it.

The Z-match uses a tuning bridge that presents the rig with a near 50 ohm load during tune up and the K2 likes that alot better.

--

73 de AC6KW <<mailto:grudin@vdbs.com>>
Jeff Grudin, DVM Web Add: <http://www.vdbs.com/~grudin>
Ocean Animal Clinic / Cat Clinic of Santa Cruz - Santa Cruz, California
Norcal QRP #1292 QRP-L #16 ARS #351 AR Qrp #131

Subject: [46946] ZM-2 calibration experiments?

Message-ID: <37AB3B4C.1BB9@qsl.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Hi friends. I've been planning additional experiments for the ZM-2 when I find the spare time. At least until the 2 K2's arrive that I am slated to build :)

Basically unnecessary, but I've been thinking it would be neat to attempt a frequency tracking calibration on the ZM-2. The split capacitor across the output transformer of the ZM-2 could theoretically be adjusted with the available padding trimmers inside the capacitor. Also the toroid balance could be adjusted by moving the turns a little bit. Probably not much, but could be fun for an evening of hacking.

I was thinking of dipping the two sides with the GDO and seeing what the tuning frequency difference were for the two sides. Perhaps insignificant, perhaps so. Maybe it is only important at 10 meters...

Anyway, was thinking that it may be useful to know what can be done.

I thought I'd post this to avoid duplicating any efforts by others.

So, does anyone have this information or any data on the ZM-2 that might enhance or cancel any experiments I may try? What's been done already?

The ZM-2 works great, I'm just going for a blueprint.

I won't get into my penchant for cleaning and polishing the door hinge pins in the house.... 72/Ed we6w

--

-Ed AR Millennium Q's=>1000/2000 QRP-L#1068 BB#101
72, Ed WE6W, A-1 OP; <http://www.qsl.net/we6w> Santa Rosa, CA
QRP-Z#106 AR#112 HI-QRP#64 NC#2227 ARCI#9397 ARS#275

Date: Fri, 06 Aug 1999 15:48:39 -0400

From: sergio <sruiz@bright.net>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [46947] cw procedures..
Message-ID: <37AB3C17.D814B7D7@bright.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

just a question about cw procedures..

i am still not sure when it is cool to use a freq or not.. or what is going on.. it seems like at times there are tons of people using the same freq, and i can't hear anything but a bunch of beeping of all sorts.. am i supposed to be able to copy this? it seems like everyone is having a good old time, but i am afraid to try anything when it is crowded.. i don't want to add to the qrm..

also.. how are you supposed to call cq? i call "cq cq cq de kb8qpt kb8qpt k" and i do it once, then listen for awhile.. i noticed alot of guys just sit and call, and don't give you a chance to call them back.. is this normal? what is the scoop about this?

i am just trying to keep from being a total lame-o on the bands..

the last go around, i stayed in the novice bands, where things were slower... but the general bands are alot faster... which means i need to boost my copy speed.. working on that, too...

--

peace,
sergio
<http://www.bright.net/~sruiz>
"the village buzz"

Date: Fri, 06 Aug 1999 14:40:19 +0000
From: Jay Bromley <w5jay@alltel.net>
To: wlreed@viaduct.custom.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [46948] Re: NC-20 Completed!
Message-ID: <37AAF3D3.ACDE7718@alltel.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Wayne,

I have the best of all worlds on connectors. I use pl-259s with a so-259 to BNC adapters when needed. With WM-2s, K2, NC-20, DSW-30, TS-950, TS870, ect, it pays to be versatile!!

73 de w5jay..

P.S. No problem here using either connector, I likem both.

Date: Fri, 06 Aug 1999 08:53:46 -0400
From: "Edward A Kwik jr" <eakwikjr@hti.com>
To: mmullins@mastnet.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [46949] Re: new antenna & DX
Message-ID: <37AADADA.CCD747D4@hti.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Mike,

Nice to work you the other night. Fix the final and stop feeling guilty.

Ed AB8DF

Mike Mullins wrote:

>

> About 3 weeks ago I put up a G5RV in a tall tree in my back yard at about
> 45 feet. The legs kept getting tangled in lower branches, and it took
snip.....

Date: Fri, 6 Aug 1999 15:40:10 +0000
From: "Steven Weber" <kd1jv@moose.ncia.net>
To: qrp-1@lehigh.edu
Subject: [46950] Re: Overmodulated PSK-31 on 7.040
Message-ID: <199908062022.QAA13521@moose.ncia.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

Thanks for the comments.

Yes, I'm sure it's PSK-31, and the signal is too strong to be DX.
No, I'm not set up to do PSK-31 yet, not even monitor. Someday.
No, he does not identify in CW or other modes, that I noticed.
I also heard him on 7.050 and 7.030 or thereabouts.

I have no problem with digi-folks on 7.040, I understand it's the DX calling freq for that mode. I do have a problem when it QRM's a weak signal QSO 1.5 Khz higher though. A S-9 CW station 5-600 Hz away is no problem for me.

Oh well, guess we're just gonna have to move even higher up the band.

72,
Steve, KD1JV in the white Mountains of New Hampshire
"melt solder"

Date: Fri, 6 Aug 1999 16:32:02 EDT
From: K2UD@aol.com
To: kory@avatar.com
Cc: qrp-1@lehigh.edu
Subject: [46951] Re: NC20 power connector
Message-ID: <b3476d89.24dca042@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Kory,

The power connector that is included with the NC-20 is a 2.1mm type, while many other rigs use the 2.5mm. If you plug your 2.5mm power cord into it, you will see zero volts.

What you may wish to do (many did), is order a 16PJ032 jack from Mouser. It is a drop in 2.5mm replacement for the 2.1mm (which Mouser also sells as the 16PJ031).

The Wilderness NC-40A is one such rig with the 2.5mm jack. Many of my rigs use the same size, so it was a no-brainer for me to replace the one in the NC-20.

GL es enjoy the '20

72

Howard Kraus, K2UD

Date: Fri, 6 Aug 1999 14:36:04 -0600
From: Rod Cerkoney <rwc@frii.com>
To: sruiz@bright.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [46952] Re: cw procedures..
Message-ID: <19990806143604.58773@frii.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii

On Fri, Aug 06, 1999 at 03:48:39PM -0400, sergio wrote:

>
> just a question about cw procedures..
>
> i am still not sure when it is cool to use a freq or not.. or what is
> going on.. it seems like at times there are tons of people using the
> same freq, and i can't hear anything but a bunch of beeping of all
> sorts.. am i supposed to be able to copy this? it seems like everyone
> is having a good old time, but i am afraid to try anything when it is
> crowded.. i don't want to add to the qrm..

Try tuning around a little to find a clear spot, if you are hearing hi
or low "beeping" tones those stations are off center of your selected
frequency. Send the letter "?", listen send it again, maybe 2 or three
times. If no one answers send QRL? one or more times listening carfullu
after each time. If you hear nothing start calling CQ.

>
> also.. how are you supposed to call cq? i call "cq cq cq de kb8qpt
> kb8qpt k" and i do it once, then listen for awhile.. i noticed alot of

This is a very good technique. If I hear a station call CQ more than 5
or six times I look for someone else or a clear spot to call my own CQ.

There is a ham, John, K3WWP that has an EXCELLENT web page discussing CW
procedures: <http://www.alltel.net/~johnshan/findex.html> check it out and
some of his others.

GL.

--

72/3 NØRC
Rod Cerkoney
Fort Collins, CO
QRP-L #1764, NorCal, QRP ARCI, CQC & FISTS
da di dah

Date: Fri, 6 Aug 1999 16:40:20 EDT
From: K2UD@aol.com
To: kd1jv@moose.ncia.net
Cc: qrp-l@lehigh.edu
Subject: [46953] Re: Overmodulated PSK-31 on 7.040
Message-ID: <c281fe0c.24dca234@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Is that the "sabre saw" noise I hear just a tch above 7040?

72

Howard Kraus, K2UD

Date: Fri, 6 Aug 1999 13:43:08 -0700
From: "John Moriarity" <k6qq@hdo.net>
To: <n4xy@att.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [46954] Re: New (old) Antenna Book
Message-ID: <004401bee04c\$5f6bf700\$f4424cd1@k6qq>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

> Hi everybody... I got in a neat book today that I found on
> ebay-of all
> places-a month or so ago:
>
> "Radio Antenna Engineering" by Edmund A. Laport.

Ed, you found yourself a treasure. People are always

looking for that
book. (Yes, I have one.)

72,

John, K6QQ
Alturas, CA, corner of 299 & 395

Date: 6 Aug 99 16:45:36 EDT
From: Roy Lincoln <wa4dou@usa.net>
To: rsealey@InfoAve.Net, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [46955] Re: [Re: [Elecraft] K2 Serial Number List]
Message-ID: <19990806204536.4571.qmail@nwcst281.netaddress.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: quoted-printable
Content-Transfer-Encoding: quoted-printable

Personally, i don't understand the mentality that compiles lists such as=

this, private, semi-private or public. Who cares who has a K-2 and/or wha=
t its
serial # is? Is it an exclusive clique whose members are assigned a "peck=
ing
order" number? Is #1 more desirable than say #999? Is my K-2 better than =
your
K-2? The same applies to QRP_L #'s, etc. 73 Roy Lincoln WA4DOU Elm City=
,
N.C. =

=

=

=

Rick S=

ealey
<rsealey@InfoAve.Net> wrote:
At 09:00 PM 08/05/1999 -0400, you wrote:
>Hi Y'all,
>
>The K2 serial number list is now 140 strong.
>109 call signs with serial numbers and 31 calls without.
>Send me your serial number and I'll send you the list.
>

>I decided to make this list semi-private for spam reasons.
>Do you think it would be ok to reference the list on this listserv?
>
>Best regards,
>
>Dieter gentzow - WB8QYY
>Loveland, Ohio
>K2# ??? waiting for kit

Just what is the compulsion to make this information public? I don't get =
it.

Rick - W4SEA =

Get free e-mail and a permanent address at <http://www.netaddress.com/?N=3D=1>

Date: Fri, 06 Aug 1999 17:24:49 -0400
From: Rick Sealey <rsealey@InfoAve.Net>
To: qrp-1@lehigh.edu
Subject: [46956] Re: [Elecraft] K2 Serial Number List
Message-ID: <4.1.19990806172232.00aedb80@mail.infoave.net>
MIME-version: 1.0
Content-type: text/plain; charset="us-ascii"

Obviously I posted this to the wrong list. My apologies.

Rick - W4SEA

Date: Fri, 06 Aug 1999 21:42:09 +0000
From: Ed Loranger <we6w@qsl.net>
To: qrp-1@lehigh.edu
Subject: [46957] Re: ZM-2 calibration experiments?
Message-ID: <37AB56B0.7BA1@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Gang, I've received some email on this subject. They refer to recording settings that work on each band, etc. That is not this issue. I've typed up a clarification below:

Hi friend. I think maybe I described this wrong or you read it wrong.

I know all about writing down settings for bands and types of antennas I've used. I have all that at the top of each logbook page.

This is not about that. This is about the split tracking capacitor used in the ZM-2. Are you familiar with it?

Basically you have two capacitors sharing a common shaft. Each tunes approximately the same capacitance range. Each capacitor is across 11 turns of a 27 turn toroid, with the middle 5 turns coupled to the balanced output on the tuner.

OK. My point is that each of these capacitors and their associated 11 turns on the toroid MIGHT NOT TUNE the exact frequency as expected. You know, one set of 11 turns might be tighter wound than the other 11 turns. Or the two capacitors could be different by some amount of picofarads, say where one tunes 270 pF, the other is trying to resonate at the same frequency but is at 250 pF.

My point is one of calibration. There are padder capacitors inside the master capacitor. These could be used to trim both capacitors so they both resonate their particular side of the core to the same frequency.

So instead of 7.02 MHz and 7.06 MHz, both would be at 7.04/7.04 MHz when calibrated.

That's what I was talking about.

My question was one of whether anyone had made measurements of the ZM-2 design and just how far off the tracking was.

Hope this clears things up. 72/Ed we6w

P.S.

The ZM-2 works Great! Just wondering if OB Ed can tinker with it some more :)

--

-Ed AR Millennium Q's=>1000/2000 QRP-L#1068 BB#101
72, Ed WE6W, A-1 OP; <http://www.qsl.net/we6w> Santa Rosa, CA
QRP-Z#106 AR#112 HI-QRP#64 NC#2227 ARCI#9397 ARS#275

Date: Fri, 6 Aug 1999 16:49:04 -0500
From: "Nick Kennedy" <nkennedy@cswnet.com>
To: <sruiz@bright.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [46958] Re: cw procedures..
Message-ID: <003501bee055\$81762c40\$327054d8@big>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

What kind of receiver are you using? If it's a pretty simple one with low selectivity, you'll have to get used to hearing signals that aren't really on your frequency. Even if you have a sharp CW filter (say, 500 Hz), you may still hear strong stations 1 or 2 Khz away. You need to use that musician's ear and the stuff you learned about zero beating to determine how close they are. I usually want to be more than 1 KHz away from another station before sending a CQ.

Whether the frequency is "in use" is fairly subjective, though. If a signal is really weak, your signal is probably weak on his end too and you're not going to QRM him (especially since you're running QRP.)

I assume you're crystal controlled on transmit. That can be kind of a pain. Either no one is on that frequency, or everyone is. Murphey's law.

On CQing, that 3x2 is probably OK. I like to do 3x2 or 4x2 twice, then K.

72,

Nick, WA5BDU

-----Original Message-----

From: sergio <sruiz@bright.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Friday, August 06, 1999 2:47 PM
Subject: cw procedures..

>
>just a question about cw procedures..
>

>i am still not sure when it is cool to use a freq or not.. or what is
>going on.. it seems like at times there are tons of people using the
>same freq, and i can't hear anything but a bunch of beeping of all
>sorts.. am i supposed to be able to copy this? it seems like everyone
>is having a good old time, but i am afraid to try anything when it is
>crowded.. i don't want to add to the qrm..
>
>also.. how are you supposed to call cq? i call "cq cq cq de kb8qpt
>kb8qpt k" and i do it once, then listen for awhile.. i noticed alot of
>guys just sit and call, and don't give you a chance to call them back..
>is this normal? what is the scoop about this?
>
>i am just trying to keep from being a total lame-o on the bands..
>
>the last go around, i stayed in the novice bands, where things were
>slower... but the general bands are alot faster... which means i need to
>boost my copy speed.. working on that, too...
>
>--
>___
>peace,
>sergio
><http://www.bright.net/~sruiz>
>"the village buzz"
>

Date: Fri, 6 Aug 1999 18:08:00 -0400
From: "Alex Mendelsohn" <ai2q@ispchannel.com>
To: <nkennedy@cswnet.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [46959] RE: cw procedures..
Message-ID: <000701bee058\$2586fce0\$5c32a7d0@mendelsohn.ispchannel.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Oftentimes when a frequency is in use, a station comes on and asks "QRL?"

Usually another station that's using the frequency has to send "YES," which is such a time-consuming reply that it typically QRMs the station he's trying to copy--and may obliterate the nugget of essential information the other guy is sending!

The correct answer to a "QRL?" is "QRL," and that should be that, but we all

know that won't work. Another correct answer--which for the life of me doesn't seem to work anymore very often either--is "C." A single "dah-dit-dah-dit" means yes!

Why has that snappy and succinct response fallen into disuse? It's much shorter and sweeter than spelling out the word YES.

Also, when I was a Novice back in the late 1950s, we had a very interesting way of calling "CQ," one that I haven't heard about since, although I have tried it and occasionally it works. We used to send a rhythmic "dit dit - dit" a few times. "Dit dit - dit" "Dit dit - dit." Like that.

If another station hears that low-QRM "call," he/she can reply "dah dih dah dit" (if busy) or "QRA?" or even "QRZ?" (if not). That can quickly lead into a QSO--and that exchange itself oftentimes reveals the simplicity and beauty of Morse unto itself.

Vy 73, AI2Q, Alex in Kennebunk, Maine .-.-.

> -----Original Message-----

> From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of

> Nick Kennedy

> Sent: Friday, August 06, 1999 5:49 PM

> To: Low Power Amateur Radio Discussion

> Subject: Re: cw procedures..

>

>

> What kind of receiver are you using? If it's a pretty simple one with low
> selectivity, you'll have to get used to hearing signals that aren't really
> on your frequency. Even if you have a sharp CW filter (say, 500 Hz), you
> may still hear strong stations 1 or 2 Khz away. You need to use that
> musician's ear and the stuff you learned about zero beating to
> determine how

> close they are. I usually want to be more than 1 KHz away from another
> station before sending a CQ.

>

> Whether the frequency is "in use" is fairly subjective, though.

> If a signal

> is really weak, your signal is probably weak on his end too and
> you're not

> going to QRM him (especially since you're running QRP.)

>

> I assume you're crystal controlled on transmit. That can be kind
> of a pain.

> Either no one is on that frequency, or everyone is. Murphey's law.

>

> On CQing, that 3x2 is probably OK. I like to do 3x2 or 4x2 twice, then K.

>
> 72,
>
> Nick, WA5BDU
>
> -----Original Message-----
> From: sergio <sruiz@bright.net>
> To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
> Date: Friday, August 06, 1999 2:47 PM
> Subject: cw procedures..
>
>
> >
> >just a question about cw procedures..
> >
> >i am still not sure when it is cool to use a freq or not.. or what is
> >going on.. it seems like at times there are tons of people using the
> >same freq, and i can't hear anything but a bunch of beeping of all
> >sorts.. am i supposed to be able to copy this? it seems like everyone
> >is having a good old time, but i am afraid to try anything when it is
> >crowded.. i don't want to add to the qrm..
> >
> >also.. how are you supposed to call cq? i call "cq cq cq de kb8qpt
> >kb8qpt k" and i do it once, then listen for awhile.. i noticed alot of
> >guys just sit and call, and don't give you a chance to call them back..
> >is this normal? what is the scoop about this?
> >
> >i am just trying to keep from being a total lame-o on the bands..
> >
> >the last go around, i stayed in the novice bands, where things were
> >slower... but the general bands are alot faster... which means i need to
> >boost my copy speed.. working on that, too...
> >
> >--
> >___
> >peace,
> >sergio
> ><http://www.bright.net/~sruiz>
> >"the village buzz"
> >
>
>

Date: 6 Aug 99 18:10:54 EDT
From: Roy Lincoln <wa4dou@usa.net>

To: n3aaz-qrp@juno.com, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [46960] Re: [BNC Connector]
Message-ID: <19990806221054.15643.qmail@nw178.netaddress.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: quoted-printable
Content-Transfer-Encoding: quoted-printable

John R Kirby <n3aaz-qrp@juno.com> wrote:

>how many of you like using BNC connectors. . . =

-----=
-Hi
All, =

Like some of you, i don't care for the BNC(or Type"N"). Solder on types=are
fragile ,no matter how careful you are installing them. The silver plated=teflon dielectric PL-259 is rugged, dependable, takes a licking and keeps=on
ticking. No matter what you've read to the contrary, the PL-259 is useful=thru
at least 148 mhz. and is commonly used at 460 mhz. in commercial applicat=ions.
If you need to assert your individuality and non-conformity, you can feel=free
to use whatever you please ,at any frequency, with my blessings. Otherwis=e,
the lowly PL-259 is quite acceptable for a wide range of applications.(fo=r
those who count tiny fractions of a db.-get a life!).

P.S. if you have mica filled or bakelite dielectric PL-259 connectors, =use
them at lower H.F., otherwise buy and use the good stuff!

P.P.S I know, someone out there has a severely corroded nickel plated, =mica
dielectric connector working at 12 ghz. on 100 ft. of RG-8U and even thou=gh
the shield is green and the combo is 30 yrs. old, you measured it and fou=nd it
lossless clear up to light! You need to get a life also! :o) 73 Roy Linco=ln
WA4DOU Elm City, N.C.

Get free e-mail and a permanent address at <http://www.netaddress.com/?N=3D=1>

Date: Fri, 6 Aug 1999 15:15:22 -0700 (PDT)
From: Monte Stark <ku7y@dri.edu>
To: sergio <sruiz@bright.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [46961] Re: cw procedures..
Message-ID: <Pine.GS0.4.10.9908061507240.15214-1000000@rotor.dri.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Sergio,

Can't remember what kind of rig you have so it's hard to say how crowded the band might be when you are hearing all the other stations.

But if they are causing you QRM it really doesn't matter. If you can't copy someone that comes back to you then you will not have a QS0!

So if you can, move until you find a clear spot. If your TX is crystal controled and you don't have a crystal on a clear spot, you really don't have any choice but to wait until it's clear.

On calling CQ.... a 3x2 call is very good. Give a listen long enough to give someone a chance to start sending. If nothing is heard repete the 3x2 call again. Keep doing this until you make a QS0.

Something else to do..... when calling be sure to use you QSK. This way if someone comes along and just hits their key you will hear them and can stop. They will identify and the QS0 starts.

Generally (but not always) the lower in the band you go the faster the code speed. As your cw speed picks up you will find yourself not caring where you are in the band! (Paying attention to any license class sub bands that might apply).

You have the right idea.....get on and operate! All else

will slowly start to make sense!

Enjoy,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Fri, 06 Aug 1999 22:20:15 GMT
From: N3BJ <N3BJ@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [46962] WTB: Regen RXs
Message-ID: <199908062220.RAA22599@x23.deja.com>

Wanted: 1950/60 vintage Regenerative RXs: Knight Kits, Lafayette,
Heath, Hallicrafters, homebrew, working/non-working. Please let me know
what you have that is in reasonable condition and is surplus to you.

Alan, N3BJ
Bent Mountain, VA

Date: Fri, 6 Aug 1999 15:27:59 -0700 (PDT)
From: Monte Stark <ku7y@dri.edu>
To: Alex Mendelsohn <ai2q@ispchannel.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [46963] RE: cw procedures..
Message-ID: <Pine.GSO.4.10.9908061518590.15214-100000@rotor.dri.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 6 Aug 1999, Alex Mendelsohn wrote:

> The correct answer to a "QRL?" is "QRL," and that should be that, but we all
> know that won't work. Another correct answer--which for the life of me
> doesn't seem to work anymore very often either--is "C." A single
> "dah-dit-dah-dit" means yes!
>
> Why has that snappy and succinct response fallen into disuse? It's much
> shorter and sweeter than spelling out the word YES.

The use of either "C" or "R" in response to QRL? is heard during

contests all the time.

Often only a "?" is sent to ask if a freq is in use. Some like that idea because it's quicker and doesn't cause as much QRM.

Others don't like it because it's not listed in a book somewhere I guess! :-)

But there are two main points here.....

One is to ask if the freq is in use before calling. Use whatever you like (as far as I'm concerned). I will often send a "?" and if no reply then I'll send "QRL?". If no reply I assume the freq is clear and start my call.

Second is to reply when you hear someone send either "?" or "QRL?". Again, send whatever you like.... "C", "R" or just send "YES". Don't just assume that they will also hear the station you are QSOing. Chances are that if they could hear that station they would not be there asking if the freq was in use!

So Ask and Answer!

Hope to cu all in the contest tomorrow,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Fri, 06 Aug 1999 18:42:24 -0400
From: S LYON <sslyon@worldnet.att.net>
To: qrp chat <qrp-l@Lehigh.EDU>
Subject: [46964] PARKS QRP... OH OH
Message-ID: <37AB64D0.BF04ECD1@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

called my local parks yesterday and found them.... CLOSED due to either risk of fire, or, as in the case of my nearby treasure, an ACTIVE FIRE. The place is essentially anhydrous here in the east, guys, just walking

could thoretically start a fire. If you plan to operate PARKS/QRP you'd better check first.

72

-s-

--

'Seab' Lyon - AA1MY

Beacon NY USA FN-31

QRP-L 574 ARCI 9253

Date: Fri, 06 Aug 1999 18:53:00 -0400

From: S LYON <sslyon@worldnet.att.net>

To: qrp chat <qrp-l@Lehigh.EDU>

Subject: [46965] O.T. : Spam -has anyone noticed....

Message-ID: <37AB674C.A66547F1@worldnet.att.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

-that the "remove" addresses at the bottom don't work? Could it be... oh no... that they are intentionally that way? What can be done? -s-

--

'Seab' Lyon - AA1MY

Beacon NY USA FN-31

QRP-L 574 ARCI 9253

Date: Fri, 6 Aug 1999 19:00:08 -0400

From: "Hugo Catta" <h.catta@worldnet.att.net>

To: <K2UD@aol.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [46966] Re: NC20 power connector

Message-ID: <003401bee05f\$6f2d3060\$3d364f0c@compaq>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

.SNIP...

> What you may wish to do (many did), is order a 16PJ032 jack from Mouser.
It

> is a drop in 2.5mm replacement for the 2.1mm (which Mouser also sells as

the
> 16PJ031).
>
> The Wilderness NC-40A is one such rig with the 2.5mm jack. Many of my
rigs
> use the same size, so it was a no-brainer for me to replace the one in the
> NC-20.

....SNIP.....

>
The opinions might be divided.
My Wilderness Sierra, W9GR DSP III, CMOS III keyer, and of course my NC 20,
have the 2.1mm type....
I moved my other homemade accesories over to 2.1.. :-|

72
Hugo
CX9AAK/W2

End of QRP-L Digest 1540

